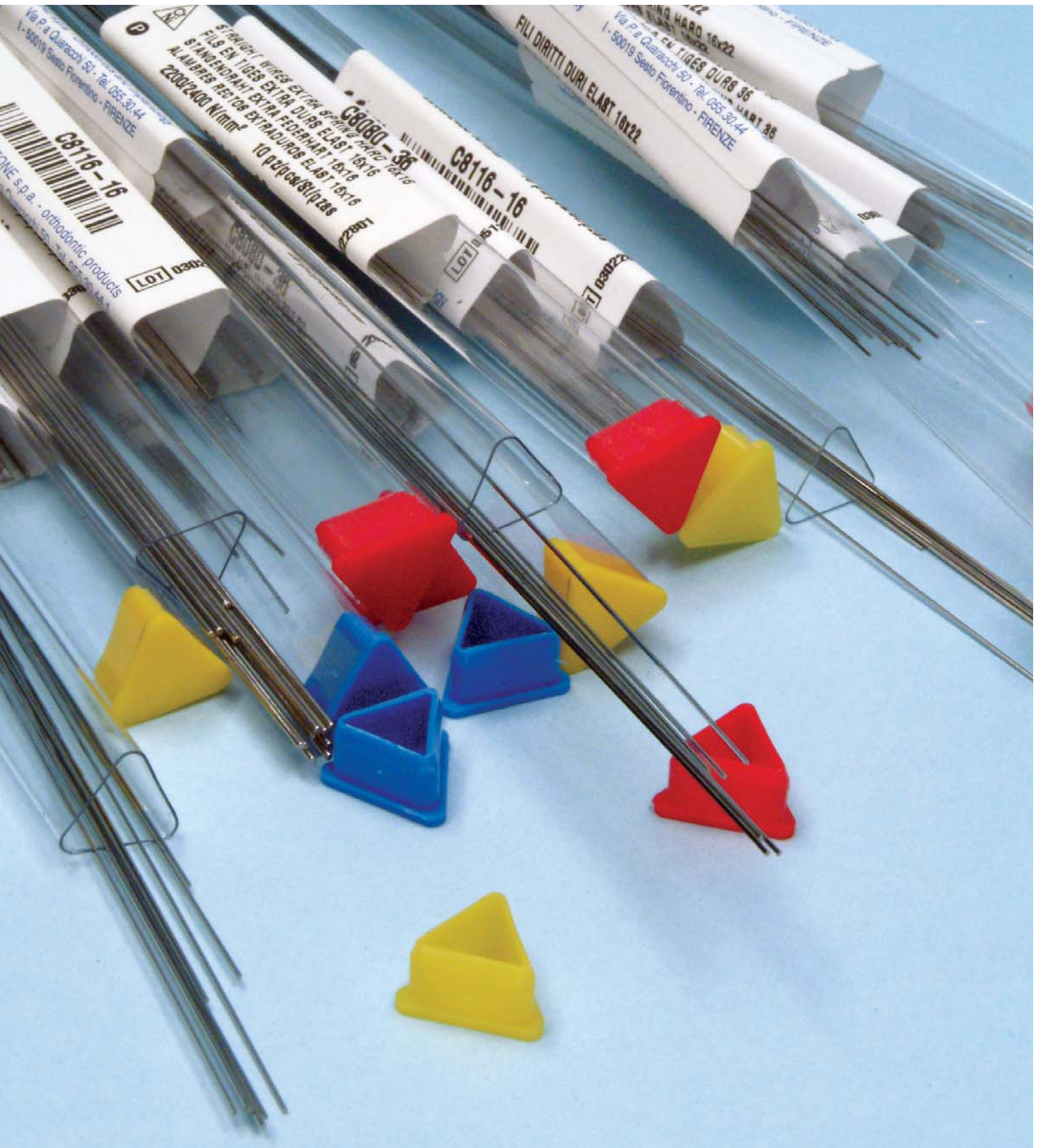


wire and wire forms



wire and wire forms



Leone orthodontic wires are available in different alloys as well as different grades of elasticity and hardness to meet all therapeutic requirements. The mechanical properties of the wires are constantly checked to ensure consistent quality.

All Leone wires are supplied in practical packaging, in rolls as well as straight wire sections.

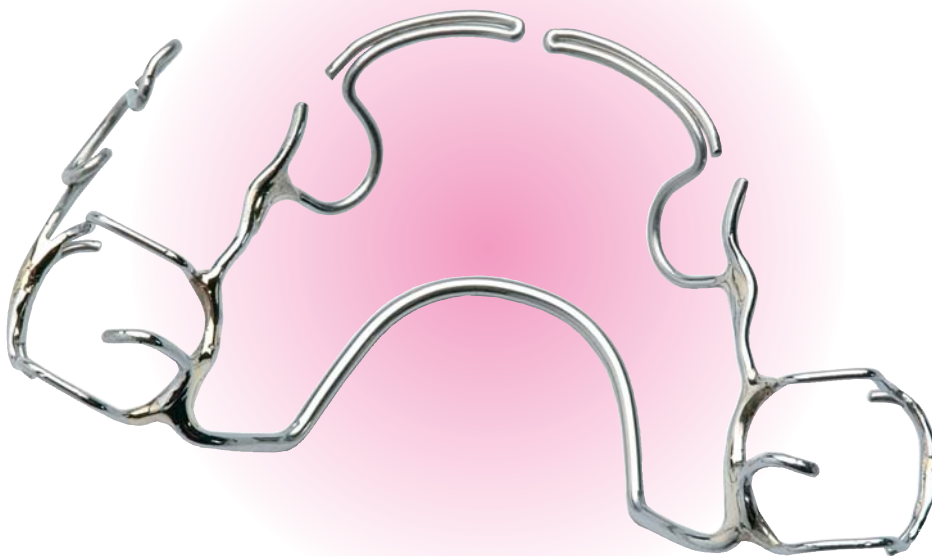
The range includes laboratory wires made from stainless steel, chromium cobalt alloy, which can be heat-treated, and **BIOSTEEL®** with a low nickel content.

The numerous forms of archwires available are manufactured from various alloys:

stainless steel with different mechanical properties to meet all orthodontic requirements;

nickel titanium alloy, available as **MEMORIA®**, **THERMOMEMORIA®** and **MEMORIA® NATURA®**, releasing gentle but constant forces, it can be formed into a large variety of shapes;

nickel-free titanium molybdenum alloy, available as Beta **MEMORIA®**, featuring exceptional pliability and elasticity as well as low friction.



The Leone packages for wires are particularly accurate in design.

Clasp and Crozat wires are packaged in unroll-proof coiled spools while straight wires are packaged in triangular shaped tubes to prevent rolling out from the table.

All Leone archwires are packaged in little bags that clearly show the part number, the sizing, the product features and the lot number.

Some types of archwires are also available in ABS acrylic plastic kit boxes, anti-slip drawers with inside lid and counter-mould to avoid accidental loss of archwires from their housing.

The kit boxes are stackable on to any other Leone band or bracket container.

clasp wire



Clasp wire

LEOWIRE® ROUND SPRING HARD WIRE

Chromium stainless steel alloy.
Diamond drawn to obtain highly resistant and stainless levelled surfaces.
Suitable for all orthodontic applications.

BIOSTEEL® ROUND SPRING HARD WIRE LOW NICKEL CONTENT

Stainless steel alloy purposely made to prevent any nickel allergic reactions (Cr 18%, Mn 18%, Mo 2%, N 1%, Ni 0,2%, balance Fe).
Suitable for all orthodontic applications.

∅		standard spool			laboratory roll		
		LEOWIRE® spring hard	BIOSTEEL® spring hard		LEOWIRE® spring hard	BIOSTEEL® spring hard	
mm	inch	1800/2000 N/mm ²	1800/2000 N/mm ²	m	1800/2000 N/mm ²	1800/2000 N/mm ²	g
0,5	.020	C0400-05		50	C0450-05		500
0,6	.024	C0400-06	C0401-06	40	C0450-06	C0451-06	
0,7	.028	C0400-07	C0401-07	25	C0450-07	C0451-07	
0,8	.032	C0400-08	C0401-08	20	C0450-08	C0451-08	
0,9	.036	C0400-09	C0401-09	10	C0450-09	C0451-09	
1,0	.040	C0400-10	C0401-10	10	C0450-10	C0451-10	
1,1	.044	C0400-11		10	C0450-11		
1,2	.048	C0400-12		10	C0450-12		
1,3	.052	C0400-13		10	C0450-13		
1,4	.055	C0400-14		8	C0450-14		

Crozat wire



Chromium-Cobalt wire

Heat-treatable chromium cobalt alloy, stainless and tough.

Its tensile strength allows clasps, even difficult ones to be easily shaped, without breakage.

It is self tempering during soldering or heating at 450° C.

Necessary for any Crozat wire technique.



∅		hard heat-treatable	package	
mm	inch	1350/1500 N/mm ²	<i>m</i>	<i>g</i>
0,6	.024	C0410-06	30	70
0,7	.028	C0410-07	22	
0,8	.032	C0410-08	17	
0,9	.036	C0410-09	13	
1,0	.040	C0410-10	11	
1,1	.044	C0410-11	9	
1,2	.048	C0410-12	8	
1,3	.052	C0410-13	6	

round and rectangular wire in straight length

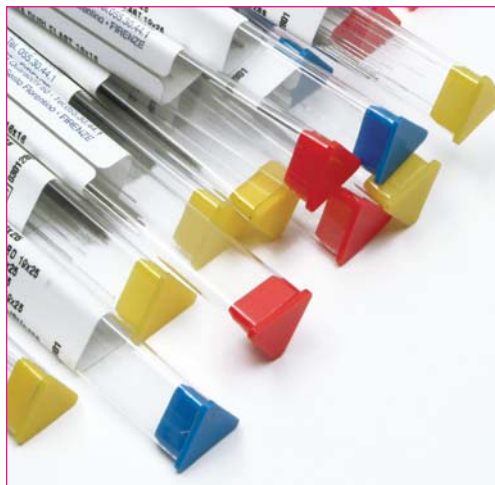


Straight round wire

An alloy properly designed for forming arches and springs in fixed orthodontic appliances.

It is diamond drawn to obtain resistant surfaces.

Available in three tempers: hard, spring hard and extra spring hard in order to be adapted to any therapeutic application.



∅ inch	hard	spring hard	extra spring hard	package
	1400/1600 N/mm ²	1800/2000 N/mm ²	2200/2400 N/mm ²	
.012	C8080-12			20 wires
.014	C8080-14	C8180-14	C8380-14	
.016	C8080-16	C8180-16	C8380-16	
.018	C8080-18	C8180-18	C8380-18	
.020	C8080-20	C8180-20	C8380-20	
.032	C8080-32			
.036	C8080-36			
.040	C8080-40			
.045	C8080-45			
.051	C8080-51			

Straight rectangular wire

An alloy properly designed for orthodontic applications.

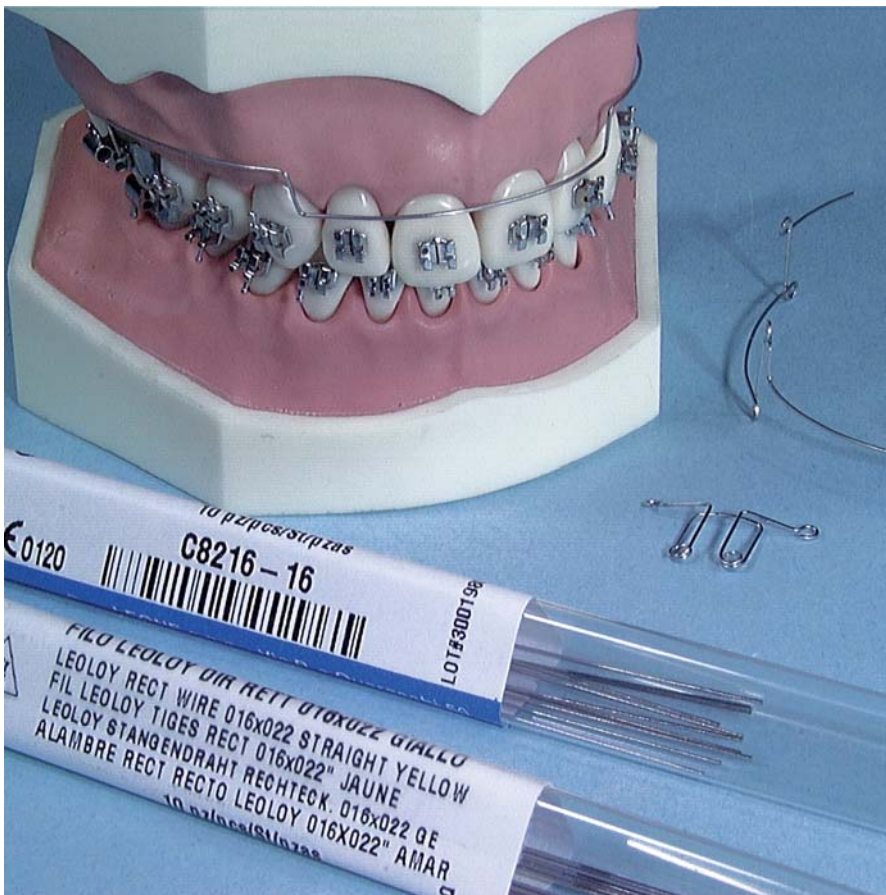
Diamond drawn to obtain perfectly square angles and levelled surfaces.

Available in two tempers: spring hard and extra spring hard, it is tested and quality controlled in the laboratory.



∅ inch	extra spring hard	extra spring hard	package
	1800/2000 N/mm ²	2200/2400 N/mm ²	
.016x.016	C8016-16	C8116-16	10 wires
.016x.022	C8022-16	C8122-16	
.017x.017	C8017-17	C8117-17	
.017x.022	C8022-17	C8122-17	
.017x.025	C8025-17	C8125-17	
.018x.022	C8022-18	C8122-18	
.018x.025	C8025-18	C8125-18	
.019x.025	C8025-19	C8125-19	
.021x.025	C8025-21	C8125-21	
.0215x.028	C8028-21	C8128-21	

LEOLOY® - "Australian" wire and archwires



LEOLOY® straight round and rectangular heat-treatable wire

Chromium-cobalt base alloy, heat-treatable. Highly stainless and resistant to breakage. Available in two tempers.

Packs of 10 wires

soft heat treatable	inch	spring heat treatable
1400/1600 N/mm ²		1700/1900 N/mm ²
C8216-16	.016x.016	C8416-16
C8222-16	.016x.022	C8422-16
C8225-17	.017x.025	C8425-17

BLUE LEOLOY® - soft heat-treatable

It is initially the softest of the two tempers. It is intended for construction of archwires which require considerable bending. After heat-treating (480° C), it will become so hard as stainless steel wires. Recommended for Ricketts technique.

YELLOW LEOLOY® - spring heat treatable

With slight springer qualities than blue. It is intended for construction of archwires which require considerable bending. It can be used as furnished or can be heat treated (480° C) if greater springback is required.



"Australian" wire spools

It is diamond drawn for perfect levelling of surfaces. The two tempers are laboratory tested and quality controlled.

Spools, 8 m

inch	extra spring hard	super hard heat-treated
	2200/2400 N/mm ²	2500/2700 N/mm ²
.012	C0420-12	
.014	C0420-14	C0430-14
.016	C0420-16	C0430-16
.018	C0420-18	C0430-18
.020	C0420-20	C0430-20



Australian archwires Special Plus

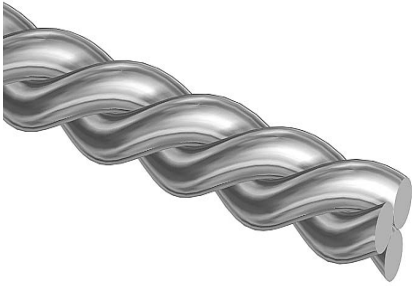
medium upper	inch	medium lower
C2010-16	.016	C2050-16
C2010-20	.020	C2050-20


Packs of 10

twist and flex wire and archwires

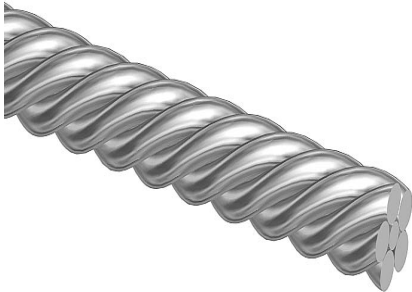



Straight twist wire

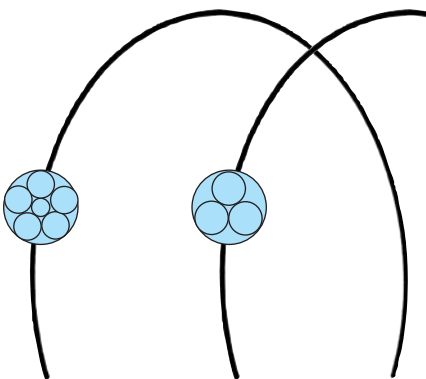
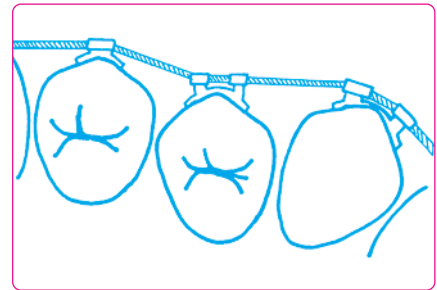


\varnothing inch		package
.015	C8580-15	10 wires
.0175	C8580-17	
.0195	C8580-19	
.0215	C8580-21	


Straight flex wire




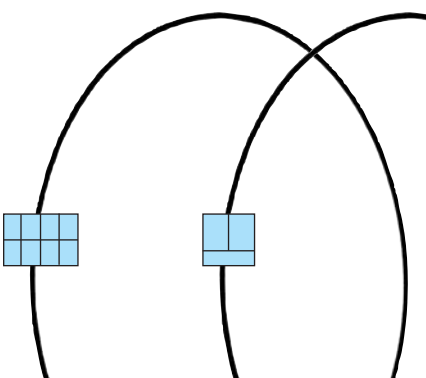
\varnothing inch		package
.015	C8880-15	10 wires
.0175	C8880-17	
.0195	C8880-19	




Round preformed twist and flex archwires


twist		
\varnothing inch		package
.0155	C5540-15	10
.0175	C5540-17	
.0195	C5540-19	
.0215	C5540-21	

flex		
\varnothing inch		package
.0155	C5440-15	10
.0175	C5440-17	
.0195	C5440-19	
.0215	C5440-21	



Rectangular preformed twist archwires

twist 3 wires		
\varnothing inch		package
.016x.016	C5541-16	10
.016x.022	C5542-16	
.017x.025	C5545-17	
.018x.025	C5545-18	

twist 8 wires		
\varnothing inch		package
.017x.025	C5745-17	10
.018x.025	C5745-18	
.021x.025	C5745-21	

preformed round and rectangular archwires in stainless steel



T1212-00
Standard arch holder

Preformed round and rectangular archwires

Standard preformed. Made out of extra spring hard wire for higher resiliency. Marked at the midline, black for upper and red for lower.

Packs of 10

upper	\varnothing inch	lower	upper	\varnothing inch	lower
C5110-12	.012	C5150-12	C5111-16	.016x.016	C5151-16
C5110-14	.014	C5150-14	C5112-16	.016x.022	C5152-16
C5110-16	.016	C5150-16	C5115-17	.017x.025	C5155-17
C5110-18	.018	C5150-18	C5115-18	.018x.025	C5155-18
C5110-20	.020	C5150-20	C5115-19	.019x.025	C5155-19
			C5115-21	.021x.025	C5155-21



T3608-00
Marking pencil white

For marking archwires, bite planes, etc.

Pack of 1

preformed archwires in stainless steel



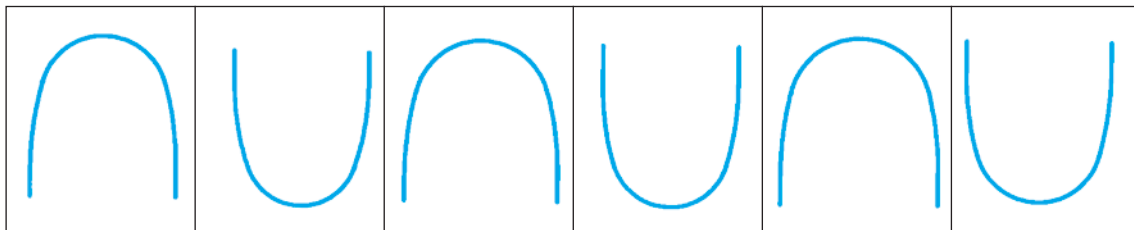
Preformed archwires

In extra hard spring wire, round or rectangular, diamond drawn for levelling of surfaces. They are available in a small, medium or large shape, both for upper and lower, they represent the ideal answer to visualize the treatment problem.

C5950-00

Preformed archwire selector

Lay the selector on the model and select the right arch form.



∅ inch	small		medium		large		pkg.
	upper	lower	upper	lower	upper	lower	
.014			C3110-14	C3150-14			10
.016	C3010-16	C3050-16	C3110-16	C3150-16	C3210-16	C3250-16	
.018	C3010-18	C3050-18	C3110-18	C3150-18	C3210-18	C3250-18	
.020			C3110-20	C3150-20			
▧							10
.016x.016			C3111-16	C3151-16			
.016x.022	C3012-16	C3052-16	C3112-16	C3152-16	C3212-16	C3252-16	
.017x.025			C3112-17	C3152-17			
.018x.025	C3012-18	C3052-18	C3112-18	C3152-18	C3212-18	C3252-18	
.019x.025	C3012-19	C3052-19	C3112-19	C3152-19	C3212-19	C3252-19	
.019x.025 T20°			C4112-19	C4152-19			
.021x.025			C3112-21	C3152-21			

nickel titanium archwires

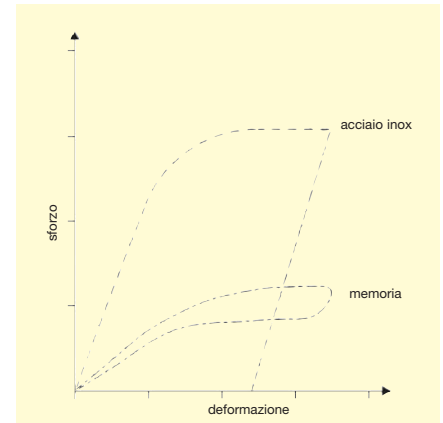
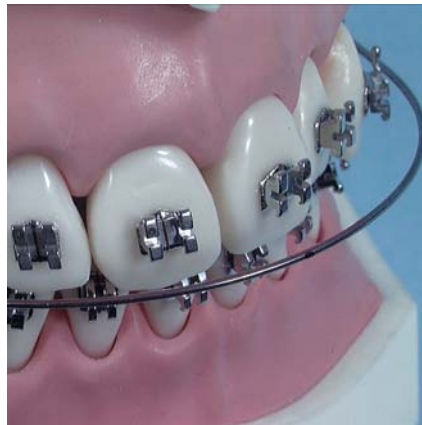


MEMORIA® preformed archwires

In a superelastic nickel-titanium base alloy, these archwires generate light and continuous forces, reduce treatment time and improve patient comfort. The highly polished surface eliminates any bracket slot friction.

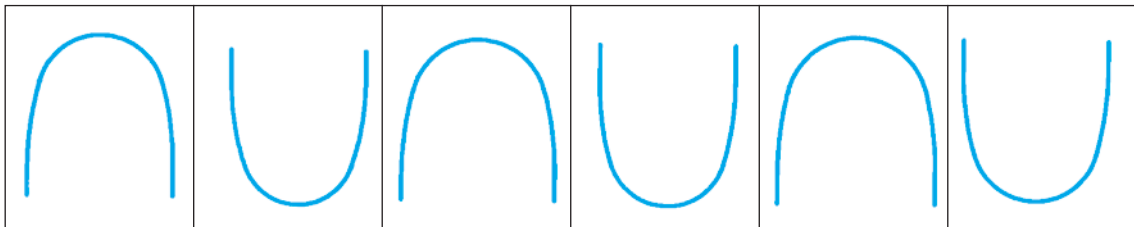
Their non-deformability and superelasticity, which are expressed in the continuous force delivery over a wide deflection range, have been tested on thousands of treatments.

Available in a small, medium or large shape, both for upper or lower, they represent the ideal answer to individual treatment problems.



C5950-00 Preformed archwire selector

Lay the selector on the model and select the right arch shape.



∅ inch	small		medium		large		pkg.	
	upper	lower	upper	lower	upper	lower		
.012			C5910-12	C5950-12			10	
.014	C5913-14	C5953-14	C5910-14	C5950-14	C5916-14	C5956-14		
.016	C5913-16	C5953-16	C5910-16	C5950-16	C5916-16	C5956-16		
.018	C5913-18	C5953-18	C5910-18	C5950-18	C5916-18	C5956-18		
.020			C5910-20	C5950-20				
∅								10
.016x.016			C5911-16	C5951-16				
.016x.022	C5914-16	C5954-16	C5912-16	C5952-16	C5917-16	C5957-16		
.017x.025	C5914-17	C5954-17	C5912-17	C5955-17	C5917-17	C5957-17		
.018x.018			C5911-18	C5951-18				
.018x.025	C5914-18	C5954-18	C5915-18	C5955-18	C5917-18	C5957-18		
.019x.025	C5914-19	C5954-19	C5915-19	C5955-19	C5917-19	C5957-19		
.021x.025			C5915-21	C5955-21				

nickel titanium archwires



MEMORIA® anatomical archwires

Superelastic nickel titanium base alloy archwires which deliver biological forces over a wide deflection range.

MEMORIA® archwires are available in five arch forms developed after extensive research and represent the ideal answer to individual treatment problems.

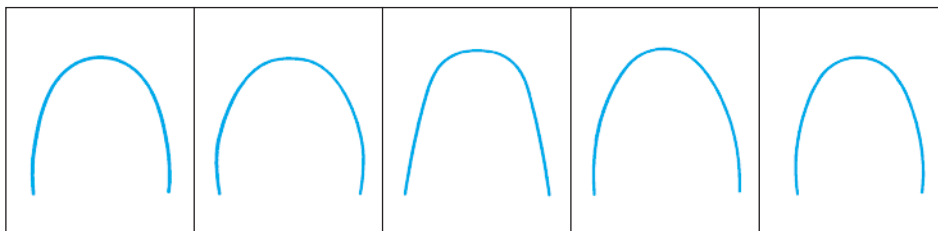
Using the special arch selector, the best suited arch shape can be easily found.

Composition of assortments - shape:

A 30 pcs., B 25 pcs., C 10 pcs., D 25 pcs., E 10 pcs.

C6250-00 MEMORIA® anatomical arch selector

Lay the selector on the model and select the right arch shape.



∅ inch	A	B	C	D	E	pkg.	pkg.	assortment
.014	C6040-14	C6140-14	C6240-14	C6340-14	C6440-14	10	100	C6014-95
.016	C6040-16	C6140-16	C6240-16	C6340-16	C6440-16			C6016-95
.018	C6040-18	C6140-18	C6240-18	C6340-18	C6440-18			C6018-95
∕								
.016x.016	C6041-16	C6141-16	C6241-16	C6341-16	C6441-16	10	100	C6116-95
.016x.022	C6042-16	C6142-16	C6242-16	C6342-16	C6442-16			C6216-95
.017x.025	C6042-17	C6142-17	C6242-17	C6342-17	C6442-17			C6217-95
.019x.025	C6045-19	C6145-19	C6245-19	C6345-19	C6445-19			C6219-95

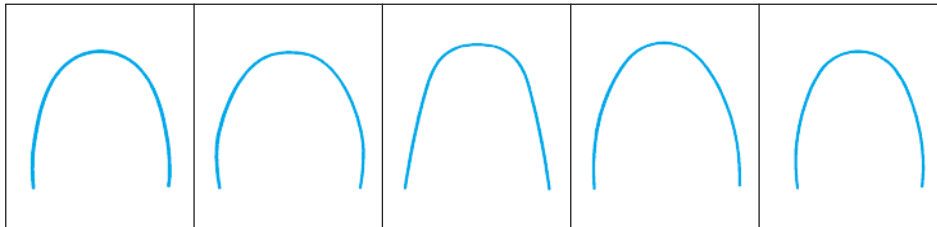
nickel titanium archwires



MEMORIA® anatomical archwires "V" bend

A V bend on midline avoids any unwanted displacement of the archwire by ensuring the therapeutical treatment previously foreseen with the selected archwire shape.

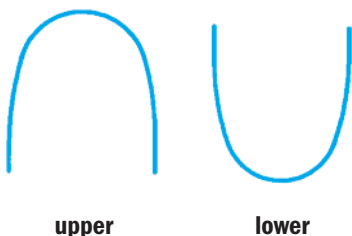
Composition of assortments - shape:
A 30 pcs, B 25 pcs, C 10 pcs, D 25 pcs,
E 10 pcs



∅ inch	A	B	C	D	E	pkg.	pkg.	assortment
.014	C6040V14	C6140V14	C6240V14	C6340V14	C6440V14	10	100	C6014V95
.016	C6040V16	C6140V16	C6240V16	C6340V16	C6440V16			C6016V95
.018	C6040V18	C6140V18	C6240V18	C6340V18	C6440V18			C6018V95
∕								
.016x.016	C6041V16	C6141V16	C6241V16	C6341V16	C6441V16	10	100	C6116V95
.016x.022	C6042V16	C6142V16	C6242V16	C6342V16	C6442V16			C6216V95
.017x.025	C6042V17	C6142V17	C6242V17	C6342V17	C6442V17			C6217V95
.019x.025	C6045V19	C6145V19	C6245V19	C6345V19	C6445V19			C6219V95

MEMORIA® preformed archwires "V" bend

Packs of 10



medium upper	∅ inch	medium lower	medium upper	∕ inch	medium lower
C5910V12	.012	C5950V12	C5911V16	.016x.016	C5951V16
C5910V14	.014	C5950V14	C5912V16	.016x.022	C5952V16
C5910V16	.016	C5950V16	C5912V17	.017x.025	C5955V17
C5910V18	.018	C5950V18	C5915V18	.018x.025	C5955V18

nickel titanium archwires



THERMOMEMORIA® archwires

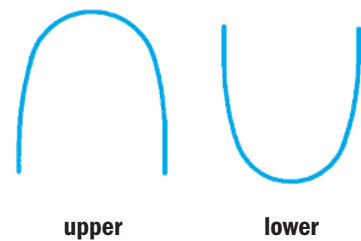
An innovation in nickel titanium alloy archwires. According to room or body temperature, these archwires have a different behaviour.

These archwires can be permanently bent with a plier at room temperature, but after insertion, at mouth temperature of about 37° C, they revert to their initial programmed shape, delivering light and continuous forces to teeth.

This particular feature makes their insertion into misaligned bracket slots easier and reduce patient's trauma while permitting the use of rectangular wires during early treatment and gaining good torque control of roots during tooth movements.

Packs of 10

upper	∅ inch	lower	upper	▧ inch	lower
C5930-16	.016	C5970-16	C5931-16	.016x.016	C5971-16
C5930-18	.018	C5970-18	C5932-16	.016x.022	C5972-16
			C5935-18	.018x.025	C5975-18
			C5935-19	.019x.025	C5975-19
			C5935-21	.021x.025	C5975-21



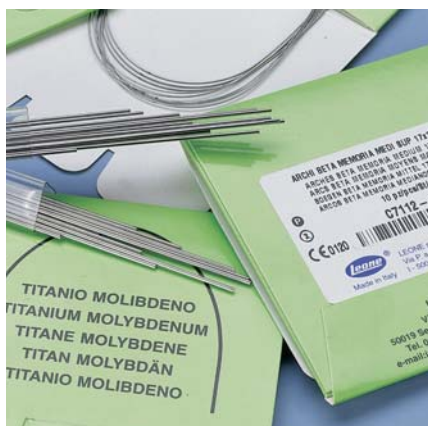
MEMORIA® archwires reverse curve of Spee

Superelastic nickel titanium archwires for levelling movements and closure of spaces. They are also indicated for the correction of bite closure alterations.

Packs of 10

upper	∅ inch	lower
C6910-16	.016	C6950-16
C6910-18	.018	C6950-18
upper	▧ inch	lower
C6912-16	.016x.022	C6952-16
C6912-17	.017x.025	C6952-17
C6912-19	.019x.025	C6952-19

special wires and archwires



Beta MEMORIA® wires and archwires

In a titanium molybdenum alloy, they feature high elasticity and good bendability with pliers.

Highly finished to minimize friction between wire and slot. Nickel free.

They are suitable for patients with allergic reactions.

Beta MEMORIA® archwires

	upper	∅ inch	lower	pkg.
medium	C7110-16	.016	C7150-16	10
	C7110-18	.018	C7150-18	

	upper	∅ inch	lower	pkg.
small	C7012-21	.021x.027	C7015-21	10
medium	C7112-16	.016x.022	C7115-16	
	C7112-17	.017x.025	C7115-17	
	C7112-19	.019x.025	C7115-19	
	C7112-21	.021x.027	C7115-21	

Beta MEMORIA® straight round wire

C7900-32 ∅ .032"

C7900-36 ∅ .036"

Packs of 10 wires, 18 cm long

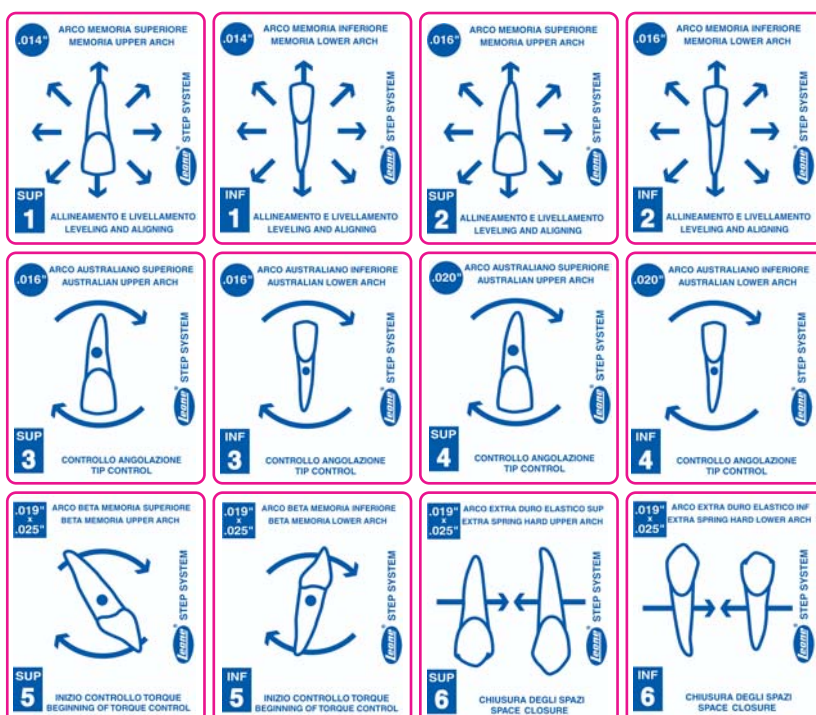
C6100-12

Archwire kit STEP system



The package contains 12 archwires, 6 upper and 6 lower, necessary for the execution of one-case treatment for STEP technique. Each archwire is single packaged. The packages are identified with a reference number and a tooth sketch which respectively indicate the standard application sequence and the arch wire function.

Composition of the kit:



special wires and archwires

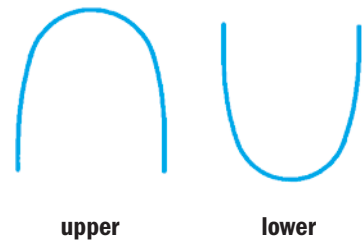


MEMORIA® NATURA® preformed archwires

They combine high elasticity and resistance to deformation of superelastic nickel titanium archwires with the best aesthetics. The tooth coloured coating is very stiff and resistant to oral liquid absorption, therefore a reduced friction is obtained when used with metal and cosmetic brackets. Available round or rectangular.

Packs of 10

upper	∅ inch	lower	upper	∠ inch	lower
C5918-14	.014	C5958-14	C5982-16	.016x.022	C5992-16
C5918-16	.016	C5958-16	C5985-18	.018x.025	C5995-18
C5918-18	.018	C5958-18	C5985-19	.019x.025	C5995-19
C5918-20	.020	C5958-20	C5985-21	.021x.025	C5995-21

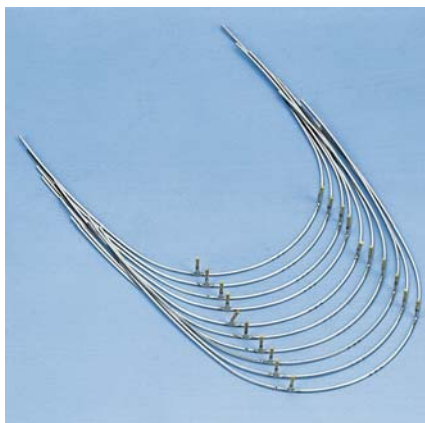


C8922-16

MEMORIA® rectangular straight wire

Nickel titanium base alloy wire which maintains high elasticity and allows sectionals and springs to be easily shaped. Available in .016"x.022".

Pack of 10 wires, 18 cm long



Archwires with hooks

Medium arch form. Made of spring hard wire .019"x.025".

The size expressed in mm indicates the distance between the hooks.

Packs of 10

mm	upper	mm	lower
34	C3112-34	24	C3152-24
36	C3112-36	26	C3152-26
38	C3112-38	28	C3152-28
40	C3112-40	30	C3152-30
42	C3112-42		

nickel titanium coil springs



MEMORIA® coil springs

In superelastic nickel titanium alloy, they have always been used in orthodontic treatments.


These springs combine the characteristics of coil spring design with the non-deformable properties of superelastic **MEMORIA®** alloy.

Available open for compressions and gain in space, closed with wound ends for use with hooks of tubes and brackets.

The type with a ligature wire allows spaces wider than 15 mm to be linked.






MEMORIA® closed coil springs with wound ends

	g		pkg.
light	150	C1230-00	10
medium	200	C1230-01	
heavy	250	C1230-02	




MEMORIA® open coil springs

Packs of 2 springs, 18 cm

			
	spring	wire	
super light	.030	.009	C1009-30
	.036	.009	C1009-36
light	.030	.010	C1211-30
medium	.030	.012	C1212-30
heavy	.036	.014	C1214-36
for extraoral lip bumper	.045	.010	C1210-45
	.055	.014	C1214-55



MEMORIA® closed coil springs with wound ends and ligature wire

	g		pkg.
light	150	C1231-00	10
medium	200	C1231-01	
heavy	250	C1231-02	



C1230-95 MEMORIA® coil spring kit

For crimping of surgical hooks use plier P1911-00.

The package includes:
 3 open coil springs, 15 closed coil springs with wound ends, 15 closed coil springs with wound ends and ligature wire, 10 stops, 10 **MIM®** surgical hooks.

palatal bars



Palatal bars

Palatal bars allow controllable movements of rotation, expansion and contraction of upper first molars.

Made of heat-treated wire, 0,9 mm in diameter, to increase their tensile strength, they are easy to remove from the tubes for activation.

ROTATION



EXPANSION



Caution: the palatal bar should be securely ligated into the lingual sheaths with steel or elastic ligatures.

Improper use may result in injury by aspiration or ingestion.

Recommended for use with **MIM**® lingual tubes:

Palatal bar

mm		pkg.
34	C0570-34	5
36	C0570-36	
38	C0570-38	
40	C0570-40	
42	C0570-42	
44	C0570-44	
46	C0570-46	
48	C0570-48	
50	C0570-50	
52	C0570-52	

C0570-96 Palatal bar kit

Assorted kit of 50

Reverse loop palatal bar

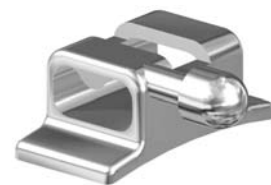
mm		pkg.
34	C0576-34	5
36	C0576-36	
38	C0576-38	
40	C0576-40	
42	C0576-42	
44	C0576-44	
46	C0576-46	
48	C0576-48	
50	C0576-50	
52	C0576-52	

C0576-96 Reverse loop palatal bar kit

Assorted kit of 50

With ball hook

G2846-02 Right
G2846-03 Left



With ball hook rotation -8°

G2847-02 Right
G2847-03 Left




clasps and arches for plates



Standard Adams clasp

Spring hard stainless steel.

 mm	∅		pkg.
5,0	0,7 mm	C0580-05	10
5,5		C0580-055	
6,0		C0580-06	
6,5		C0580-065	
7,0		C0580-07	
8,0		C0580-08	
9,0		C0580-09	
10,0		C0580-10	
11,0		C0580-11	
12,0		C0580-12	

[C0580-95](#) Standard Adams clasp kit

Assorted kit of 100


Ball hooks

Stainless steel.

mm	∅	inch		pkg.
0,7		.028	C1610-17	100
0,8		.032	C1610-18	
0,9		.036	C1610-19	

Standard labial arches

Spring hard stainless steel.

 mm	∅		pkg.
25	0,8 mm	C0585-25	10
28		C0585-28	
31		C0585-31	
34		C0585-34	
37		C0585-37	
40		C0585-40	
43		C0585-43	
46		C0585-46	
48		C0585-48	
50		C0585-50	

[C0585-95](#) Standard labial arch kit

Assorted kit of 100